## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref<br># | Hits | Search Query  | DBs  | Default<br>Operator | Plurals | Time<br>Stamp       |
|----------|------|---|--|---------------------|---------|---------------------|
| L1       | 200  | FRP and low\$3 with rigidity  | USPAT  | OR                  | OFF     | 2011/11/12<br>15:55 |
| L2       | 6    | 1 and (hood or bonnet)  | USPAT  | OR                  | OFF     | 2011/11/12<br>15:55 |
| S1       | 129  | (296/193.11), OCLS.   | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR                  | OFF     | 2008/11/20<br>11:06 |
| S2       | 81   | (296/181.2).OCLS.   | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR                  | OFF     | 2008/11/20<br>11:06 |
| S3       | 129  | (296/193.11).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR                  | OFF     | 2008/11/21<br>11:22 |
| S4       | 81   | (296/181.2).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR                  | OFF     | 2008/11/21<br>11:22 |
| S5       | 129  | S3 or S4 with FRP   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND                 | ON      | 2008/11/21<br>11:22 |
| S6       | 20   | ("20040113459"   "2178998"   "2250795"  <br>"2683498"   "3358787"   "3831997"  <br>"5000997"   "5115878"   "5124191"  <br>"5131710"   "5149169"   "5884962"  <br>"6048022"   "6056075").PN. OR<br>("7150496").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND                 | ON      | 2008/12/18<br>14:08 |
| S7       | 144  | (296/193.11).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR                  | OFF     | 2009/06/01<br>15:55 |
| S8       | 86   | (296/181.2).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR                  | OFF     | 2009/06/01<br>15:55 |
| S9       | 144  | (296/193.11).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR                  | OFF     | 2009/06/01<br>15:55 |
| S10      | 86   | (296/181.2).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR                  | OFF     | 2009/06/01<br>15:55 |
| S11      | 144  | S9 or S10 with FRP  | US-  | AND                 | ON      | 2009/06/01          |

|      |     |   | PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT        |     | *************************************** | 15:55               |
|------|-----|---|--|-----|---|---------------------|
| S12  | 21  | ("20040113459"   "2178998"   "2250795"  <br>"2683498"   "3358787"   "3831997"  <br>"5000997"   "5115878"   "5124191"  <br>"5131710"   "5149169"   "5884962"  <br>"6048022"   "6056075").PN. OR<br>("7150496").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND | ON                                      | 2009/06/01<br>15:55 |
| S13  | 1   | ("2003175455").PN.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF                                     | 2009/12/29<br>14:29 |
| S14  | 2   | ("20030175455").PN.   | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF                                     | 2009/12/29<br>14:29 |
| S15  | 0   | ("2003/0175455").URPN.  | USPAT  | AND | ON                                      | 2009/12/29<br>14:31 |
| S16  | 0   | (10/366707) .APP.   | USPAT;<br>USOCR                              | AND | ON                                      | 2009/12/29<br>14:31 |
| S17  | 10  | fiber with reinforcement with panel with rigidity   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON                                      | 2009/12/29<br>15:39 |
| S18  | 98  | fiber with reinforc\$5 with panel with rigidity   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON                                      | 2009/12/29<br>15:40 |
| S19  | 0   | fiber with reinforc\$5 with panel with low with rigidity with impact  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON                                      | 2009/12/29<br>15:46 |
| S20  | 3   | fiber with reinforc\$5 with panel with low with impact  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON                                      | 2009/12/29<br>15:47 |
| \$21 | 12  | ("4291851"   "4598008"   "4950522"  <br>"5040646"   "5165627"   "5267772"  <br>"5271658"   "5451377"   "5707697"  <br>"5829215"   "5853195").PN. OR<br>("7052077").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND | ON                                      | 2009/12/29<br>15:55 |
| S22  | 364 | (296/187.03).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF                                     | 2010/01/02<br>19:34 |
| \$23 | 2   | S22 and FRP   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON                                      | 2010/01/02<br>19:35 |
| \$24 | 0   | S22 and fiber with reinfored with plastic   | US-<br>PGPUB;<br>USPAT;                      | AND | ON                                      | 2010/01/02<br>19:37 |

|             |    |  | USOCR;<br>DERWENT                            |             |    |                     |
|-------------|----|--|--|-------------|----|---------------------|
| S25         | 15 | S22 and fiber with reinforced with plastic   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND         | ON | 2010/01/02<br>19:38 |
| S26         | 2  | hood with low with rigidity with impact with absorb\$4   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND         | ON | 2010/01/02<br>20:08 |
| S27         | 5  | ("5000997"   "5115878"   "7140673"  <br>"7150496").PN. OR ("7488031").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND         | ON | 2010/01/02<br>20:10 |
| S28         | 0  | \$27 and low with rigidity with impact with absorb\$4  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND         | ON | 2010/01/02<br>20:12 |
| S29         | 0  | S27 and low with rigidity  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND         | ON | 2010/01/02<br>20:12 |
| <b>S3</b> 0 | 22 | ("1333214"   "4383060"   "4488862"  <br>"4515543"   "4551085"   "4612149").PN.<br>OR ("5000997").URPN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND         | ON | 2010/01/02<br>20:15 |
| <b>S</b> 31 | 6  | "428"/\$.cds. and (discontinuos or missing) and FRP  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND         | ON | 2010/10/22<br>21:28 |
| <b>S32</b>  | 76 | "428"/\$.cds. and (discontinuous or missing) and FRP   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND         | ON | 2010/10/22<br>21:29 |
| \$33        | 15 | ("20040000745"   "4367192"   "5001000"  <br>"5340520"   "5358779"   "5396932"  <br>"5654037"   "6045898"   "6247747"  <br>"6410127"   "6429157").PN. OR<br>("7059665").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR             | <b>AN</b> D | ON | 2010/10/22<br>21:30 |
| S34         | 14 | ("20060163915"   "20060220418"  <br>"4598008"   "5000997"   "5605371"  <br>"6386623"   "6824202"   "7059665"  <br>"7228929"   "7270367").PN. OR<br>("7497507").URPN.         | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND         | ON | 2010/10/22<br>21:33 |
| \$35        | 0  | FRP and pedestrian and (discountinuous or missing)   | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND         | ON | 2010/10/22<br>21:50 |
| \$36        | 71 | FRP and pedestrian   | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND         | ON | 2010/10/22<br>21:50 |
| S37         | 22 | ("20030134101"   "4615717"   "4670331"   | US-  | AND         | ON | 2010/10/22          |

|      |     | "4692375"   "4734321"   "4767321"  <br>"4793802"   "4802843"   "4925615"  <br>"4944843"   "4950532"   "4952448"  <br>"4978489"   "5043368"   "5092952"  <br>"5115077"   "5316834"   "5348798"  <br>"5643989"   "6565712").PN. OR<br>("7244501").URPN. | PGPUB;<br>USPAT;<br>USOCR                    |     |     | 22:50               |
|------|-----|---|--|-----|-----|---------------------|
| S38  | 1   | ("2003146252").PN.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF | 2010/10/22<br>23:16 |
| S39  | 7   | FRP and pedestrian and (discontinuous or missing)   | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND | ON  | 2011/05/21<br>23:37 |
| S40  | 210 | (296/193.11).COLS.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF | 2011/11/07<br>08:43 |
| S41  | 99  | (296/181.2).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF | 2011/11/07<br>08:43 |
| S42  | 210 | (296/193.11).COLS.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF | 2011/11/07<br>08:43 |
| S43  | 99  | (296/181.2).COLS.   | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF | 2011/11/07<br>08:43 |
| S44  | 210 | S42 or S43 with FRP   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON  | 2011/11/07<br>08:43 |
| \$45 | 28  | ("20040113459"   "2178998"   "2250795"  <br>"2683498"   "3358787"   "3831997"  <br>"5000997"   "5115878"   "5124191"  <br>"5131710"   "5149169"   "5884962"  <br>"6048022"   "6056075").PN. OR<br>("7150496").URPN.                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND | ON  | 2011/11/07<br>08:43 |
| S46  | 210 | (296/193.11).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF | 2011/11/07<br>08:43 |
| S47  | 99  | (296/181.2).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF | 2011/11/07<br>08:43 |
| S48  | 210 | (296/193.11).COLS.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF | 2011/11/07<br>08:43 |
| S49  | 99  | (296/181.2).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR  | OFF | 2011/11/07<br>08:43 |
| S50  | 210 | S48 or S49 with FRP   | US-  | AND | ON  | 2011/11/07          |

|             |     |   | PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT        |             |     | 08:43               |
|-------------|-----|---|--|-------------|-----|---------------------|
| S51         | 28  | ("20040113459"   "2178998"   "2250795"  <br>"2683498"   "3358787"   "3831997"  <br>"5000997"   "5115878"   "5124191"  <br>"5131710"   "5149169"   "5884962"  <br>"6048022"   "6056075").PN. OR<br>("7150496").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR             | <b>AN</b> D | ON  | 2011/11/07<br>08:43 |
| S52         | 1   | ("2003175455").PN.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR          | OFF | 2011/11/07<br>08:43 |
| S53         | 2   | ("20030175455").PN.   | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR          | OFF | 2011/11/07<br>08:43 |
| S54         | 0   | ("2003/0175455").URPN.  | USPAT  | AND         | ON  | 2011/11/07<br>08:43 |
| S55         | 0   | (10/366707).APP.  | USPAT;<br>USOCR                              | AND         | ON  | 2011/11/07<br>08:43 |
| S56         | 15  | fiber with reinforcement with panel with rigidity   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND         | ON  | 2011/11/07<br>08:43 |
| S57         | 119 | fiber with reinforc\$5 with panel with rigidity   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND         | ON  | 2011/11/07<br>08:43 |
| <b>S</b> 58 | 0   | fiber with reinforc\$5 with panel with low with rigidity with impact  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND         | ON  | 2011/11/07<br>08:43 |
| S59         | 13  | fiber with reinforc\$5 with panel with low with impact  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | <b>AN</b> D | ON  | 2011/11/07<br>08:43 |
| S60         | 12  | ("4291851"   "4598008"   "4950522"  <br>"5040646"   "5165627"   "5267772"  <br>"5271658"   "5451377"   "5707697"  <br>"5829215"   "5853195").PN. OR<br>("7052077").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR             | <b>AN</b> D | ON  | 2011/11/07<br>08:43 |
| S61         | 425 | (296/187.03).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT           | OR          | OFF | 2011/11/07<br>08:43 |
| S62         | 3   | S61 and FRP   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND         | ON  | 2011/11/07<br>08:43 |
| S63         | 0   | S61 and fiber with reinfored with plastic   | US-<br>PGPUB;<br>USPAT;                      | AND         | ON  | 2011/11/07<br>08:43 |

|     |    |  | USOCR;<br>DERWENT                            |     |    |                     |
|-----|----|--|--|-----|----|---------------------|
| S64 | 16 | S61 and fiber with reinforced with plastic   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON | 2011/11/07<br>08:43 |
| S65 | 2  | hood with low with rigidity with impact with absorb\$4   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON | 2011/11/07<br>08:43 |
| S66 | 10 | ("5000997"   "5115878"   "7140673"  <br>"7150496").PN. OR ("7488031").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND | ON | 2011/11/07<br>08:43 |
| S67 | 0  | S66 and low with rigidity with impact with absorb\$4   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON | 2011/11/07<br>08:43 |
| S68 | 1  | S66 and low with rigidity  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON | 2011/11/07<br>08:43 |
| S69 | 23 | ("1333214"   "4383060"   "4488862"  <br>"4515543"   "4551085"   "4612149").PN.<br>OR ("5000997").URPN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND | ON | 2011/11/07<br>08:43 |
| S70 | 6  | "428"/\$.cds. and (discontinuos or missing)<br>and FRP   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON | 2011/11/07<br>08:43 |
| S71 | 83 | "428"/\$.cds. and (discontinuous or missing) and FRP   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON | 2011/11/07<br>08:43 |
| S72 | 15 | ("20040000745"   "4367192"   "5001000"  <br>"5340520"   "5358779"   "5396932"  <br>"5654037"   "6045898"   "6247747"  <br>"6410127"   "6429157").PN. OR<br>("7059665").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND | ON | 2011/11/07<br>08:43 |
| S73 | 14 | ("20060163915"   "20060220418"  <br>"4598008"   "5000997"   "5605371"  <br>"6386623"   "6824202"   "7059665"  <br>"7228929"   "7270367").PN. OR<br>("7497507").URPN.         | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND | ON | 2011/11/07<br>08:43 |
| S74 | 0  | FRP and pedestrian and (discountinuous or missing)   | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND | ON | 2011/11/07<br>08:43 |
| S75 | 78 | FRP and pedestrian   | US-<br>PGPUB;<br>USPAT;<br>USOCR             | AND | ON | 2011/11/07<br>08:43 |
| S76 | 23 | ("20030134101"   "4615717"   "4670331"   | US-  | AND | ON | 2011/11/07          |

|     |      | "4692375"   "4734321"   "4767321"  <br>"4793802"   "4802843"   "4925615"  <br>"4944843"   "4950532"   "4952448"  <br>"4978489"   "5043368"   "5092952"  <br>"5115077"   "5316834"   "5348798"  <br>"5643989"   "6565712").PN. OR<br>("7244501").URPN.   | PGPUB;<br>USPAT;<br>USOCR          |     |     | 08:43               |
|-----|------|---|------------------------------------|-----|-----|---------------------|
| S77 | 1    | ("2003146252").PN.  | US-<br>PGPUB;<br>USPAT;<br>DERWENT | OR  | OFF | 2011/11/07<br>08:43 |
| S78 | 8    | FRP and pedestrian and (discontinuous or missing)   | US-<br>PGPUB;<br>USPAT;<br>USOCR   | AND | ON  | 2011/11/07<br>08:43 |
| S79 | 1    | FRP and pedestrian with impact  | USPAT                              | OR  | OFF | 2011/11/07<br>09:02 |
| S80 | 14   | ("20060163915"   "20060220418"  <br>"4598008"   "5000997"   "5605371"  <br>"6386623"   "6824202"   "7059665"  <br>"7228929"   "7270367").PN. OR<br>("7497507").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR   | OR  | OFF | 2011/11/07<br>09:06 |
| S81 | 2    | S80 and FRP   | US-<br>PGPUB;<br>USPAT;<br>USOCR   | OR  | OFF | 2011/11/07<br>09:07 |
| S82 | 14   | ("20060163915"   "20060220418"  <br>"4598008"   "5000997"   "5605371"  <br>"6386623"   "6824202"   "7059665"  <br>"7228929"   "7270367").PN. OR<br>("7497507").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR   | OR  | OFF | 2011/11/07<br>12:18 |
| S83 | 1    | S82 and fiberglass  | US-<br>PGPUB;<br>USPAT;<br>USOCR   | OR  | OFF | 2011/11/07<br>12:18 |
| S84 | 1211 | (428/292.1,36.1).OOLS.  | USPAT;<br>USOCR                    | OR  | OFF | 2011/11/07<br>12:19 |
| S85 | 17   | ("20090167060"   "7497507"   "3709316"   "20090195020"   "7481488"   "5682667"   "6398286"   "7055894"   "2709108"   "20010002761"   "6543086"   "20090025995"   "5124191"   "20100314907"   "4359120"   "7810877"   "20040251716"   "5605371"   "6237992"   "20090026807"   "7488031"   "5988305"   "20110139533"   "20090065277"   "5000997"   "7052079"   "20060011434").PN. | USPAT                              | OR  | OFF | 2011/11/07<br>12:20 |
| S86 | 0    | (11/661443).APP.  | USPAT;<br>USOCR                    | OR  | OFF | 2011/11/07<br>12:22 |
| S87 | 28   | ("1392889"   "3173826"   "3211491"  <br>"3909058"   "4359120"   "4623190"  <br>"5124191"   "5340154").PN. OR<br>("5988305").URPN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR   | OR  | OFF | 2011/11/07<br>12:24 |
| S88 | 0    | "11661443"  | USPAT                              | OR  | OFF | 2011/11/07<br>12:25 |
| S89 | 1    | (11/661443).APP.  | US-<br>PGPUB;<br>USPAT;            | OR  | OFF | 2011/11/07<br>12:25 |

|     |   |                           | USOCR |    |     |            |
|-----|---|---------------------------|-------|----|-----|------------|
| S90 | 6 | FRP with (bonnet or hood) | USPAT | OR | OFF | 2011/11/07 |
|     |   |                           |       |    |     | 12:26      |